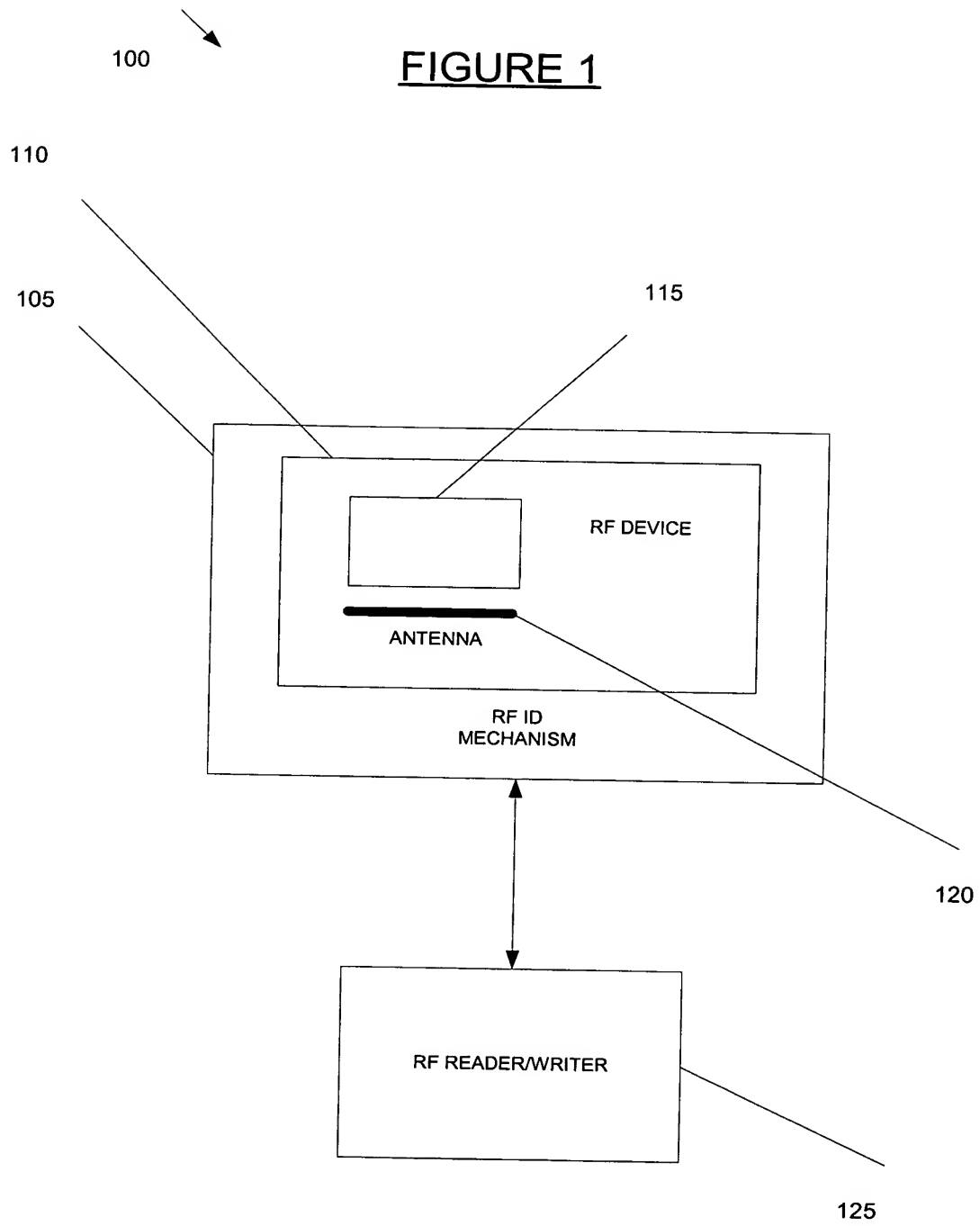
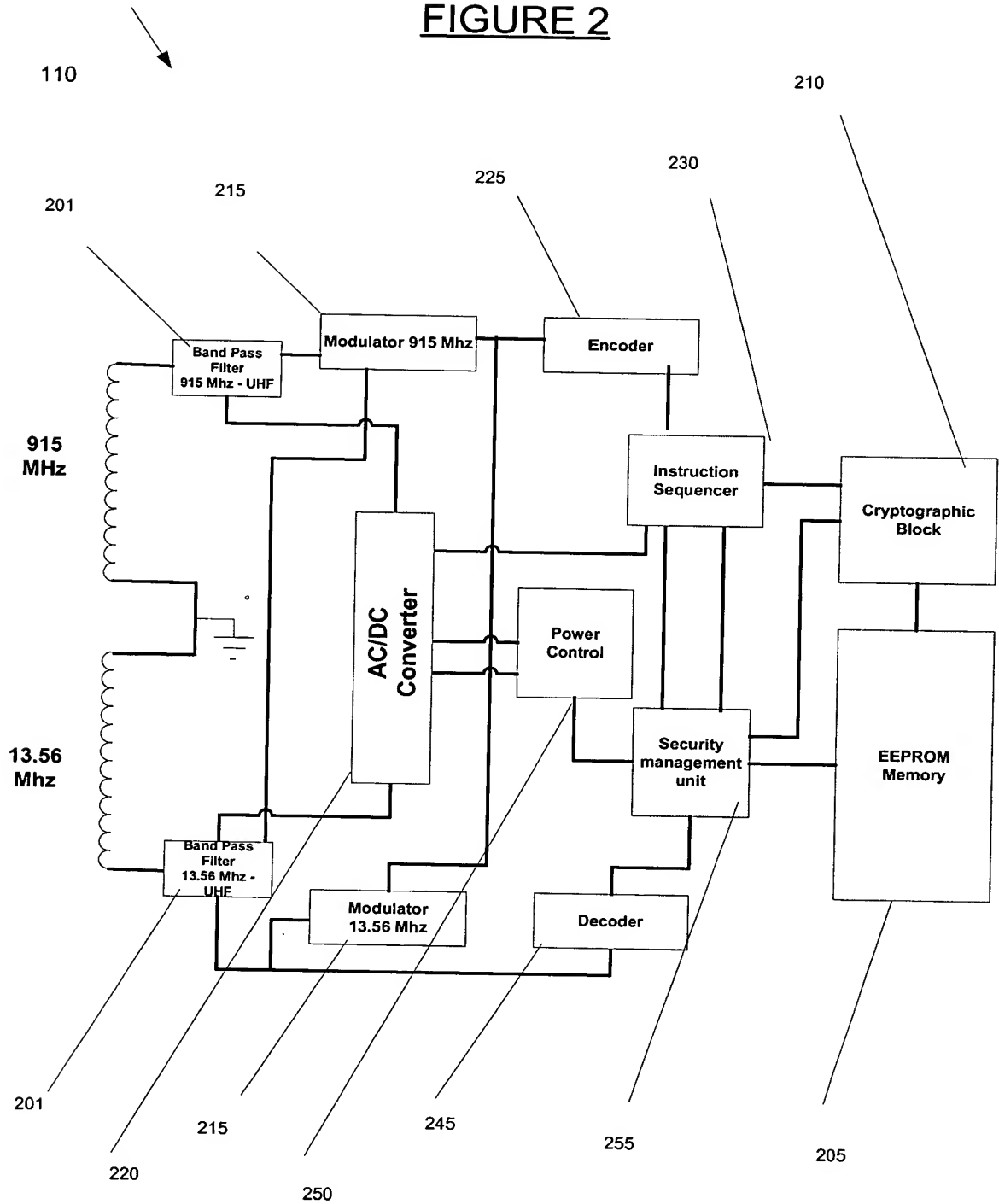


FIGURE 1

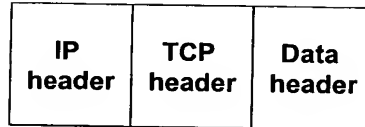


**FIGURE 2**

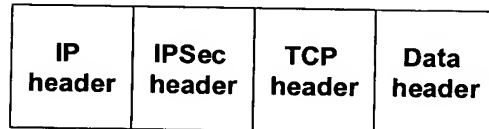


**FIGURE 3A**

**Original IP  
Packet**



**Transport mode  
Protected packet**



**Tunnel mode  
Protected packet**

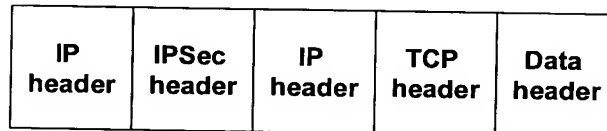
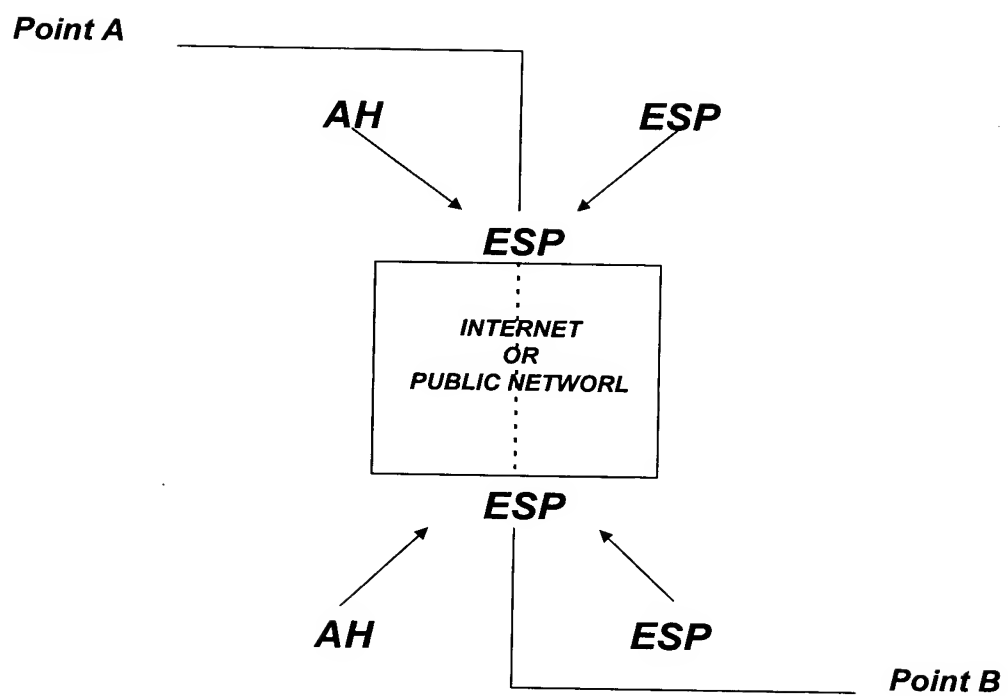


FIGURE 3B



400 ↘

## FIGURE 4

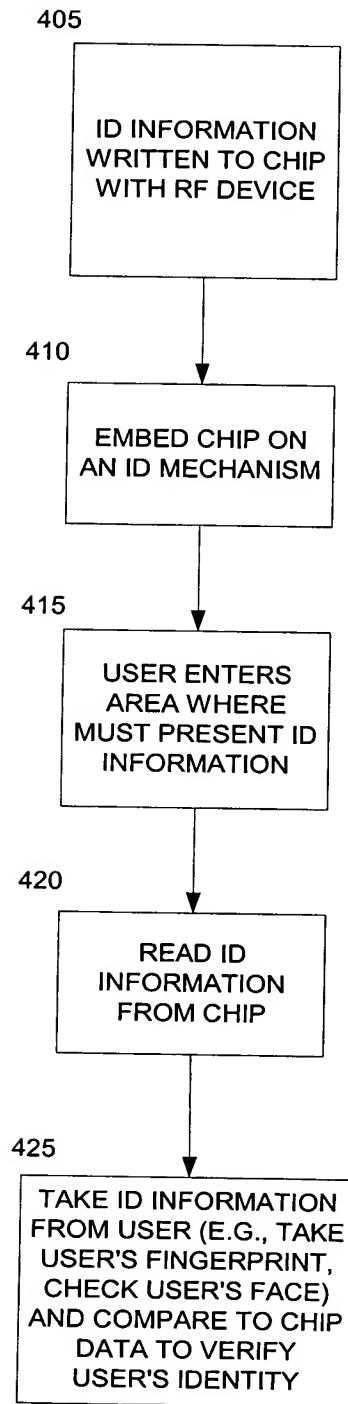


FIGURE 5

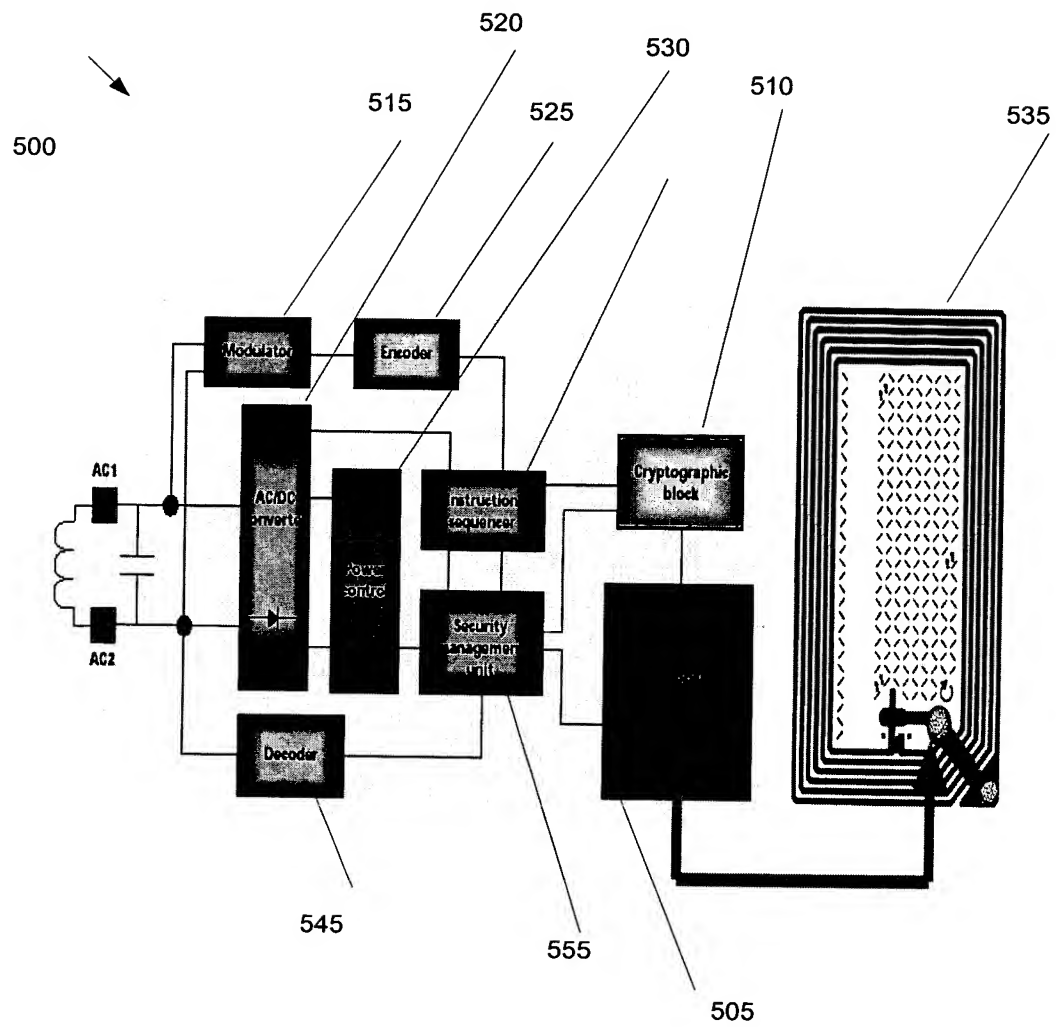


FIGURE 6

600

605

COLLECT INDIVIDUAL ID INFORMATION  
(E.G., FINGERPRINT, PICTURE) AND/OR  
VEHICLE ID INFORMATION (E.G.,  
REGISTERED VEHICLE, LICENSE  
NUMBER, ETC.) AND SAVE TO RF ID  
DEVICE

610

EMBED RF DEVICE  
ON A REGISTERED  
ITEM (E.G.,  
LICENSE PLATE)

615

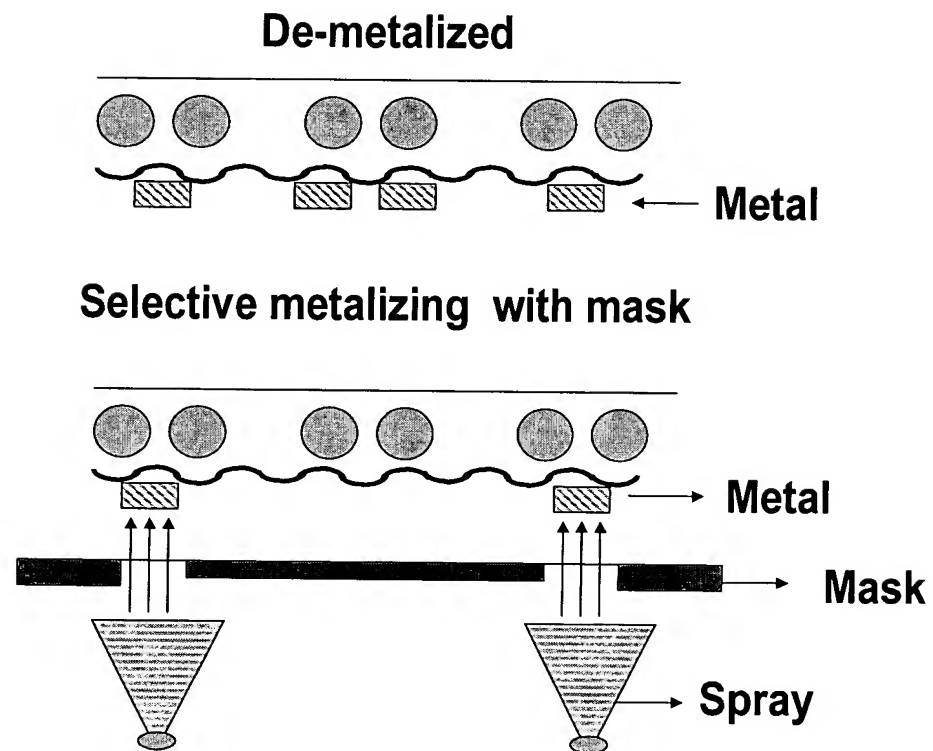
AUTHORITY USES  
RF READER TO  
READ RF DEVICE'S  
CHIP DATA

620

TAKE AND COMPARE  
INDIVIDUAL ID  
INFORMATION AND/OR  
VEHICLE ID INFORMATION  
TO VERIFY INDIVIDUAL'S  
IDENTITY AND WHETHER  
INDIVIDUAL HAS  
AUTHORITY TO POSSESS  
REGISTERED ITEM

**FIGURE 7**

700





800 ↘

## FIGURE 8

805

RF ANTENNAS  
PRODUCED BY  
DEMETALIZED OR  
SELECTIVE  
METALIZING  
PROCESS

810

↓

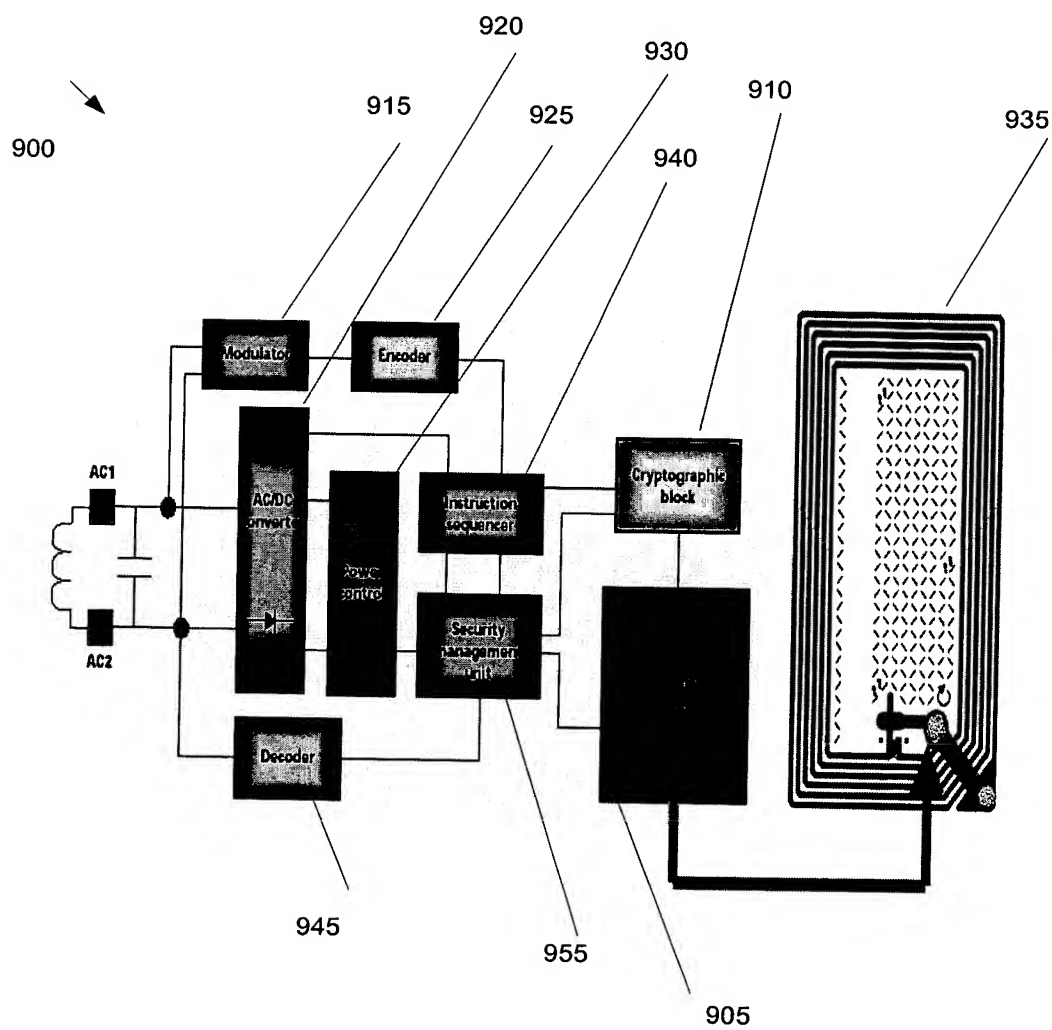
APPLY SILVER OR  
COPPER CONTENT  
INKS

815

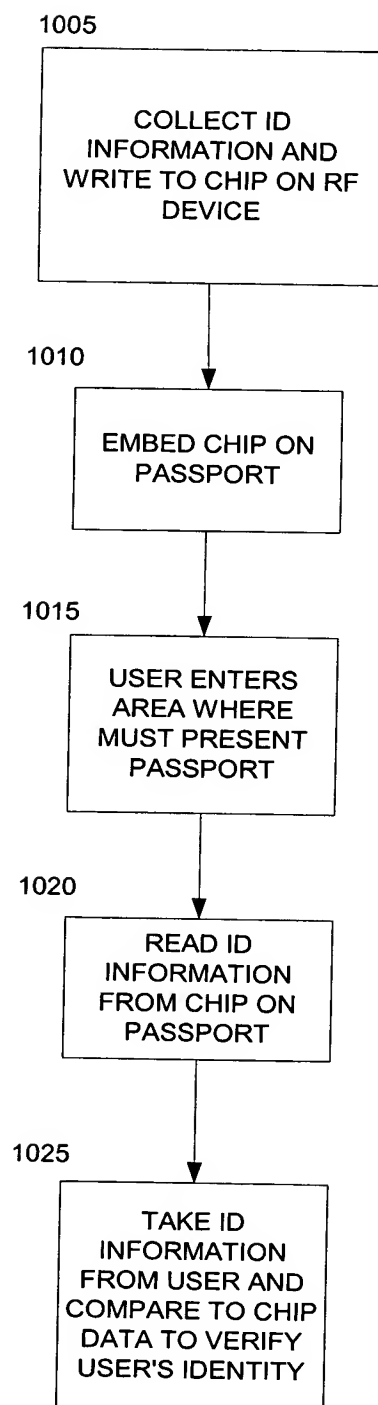
↓

ADHESIVE LAYER  
APPLIED TO  
ANTENNA

FIGURE 9



**FIGURE 10**



1100 ↘

**FIGURE 11**

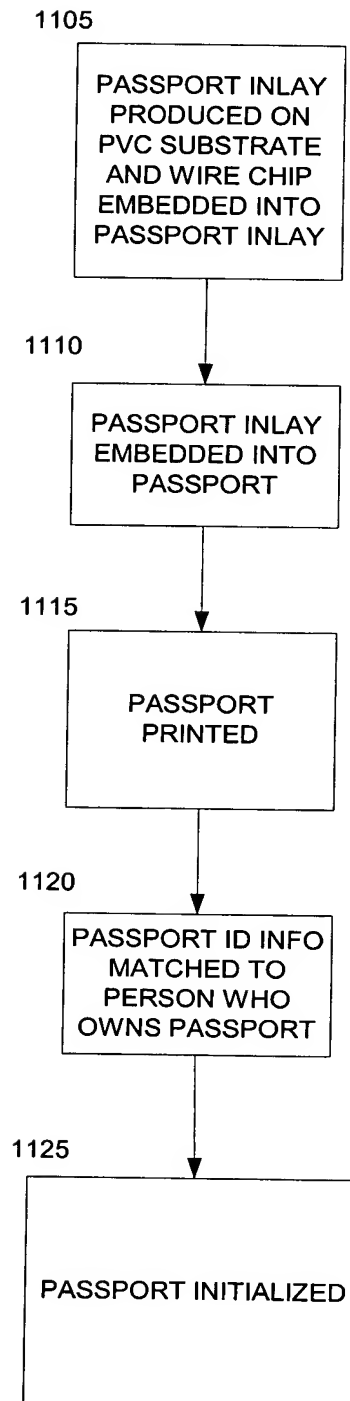


FIGURE 12

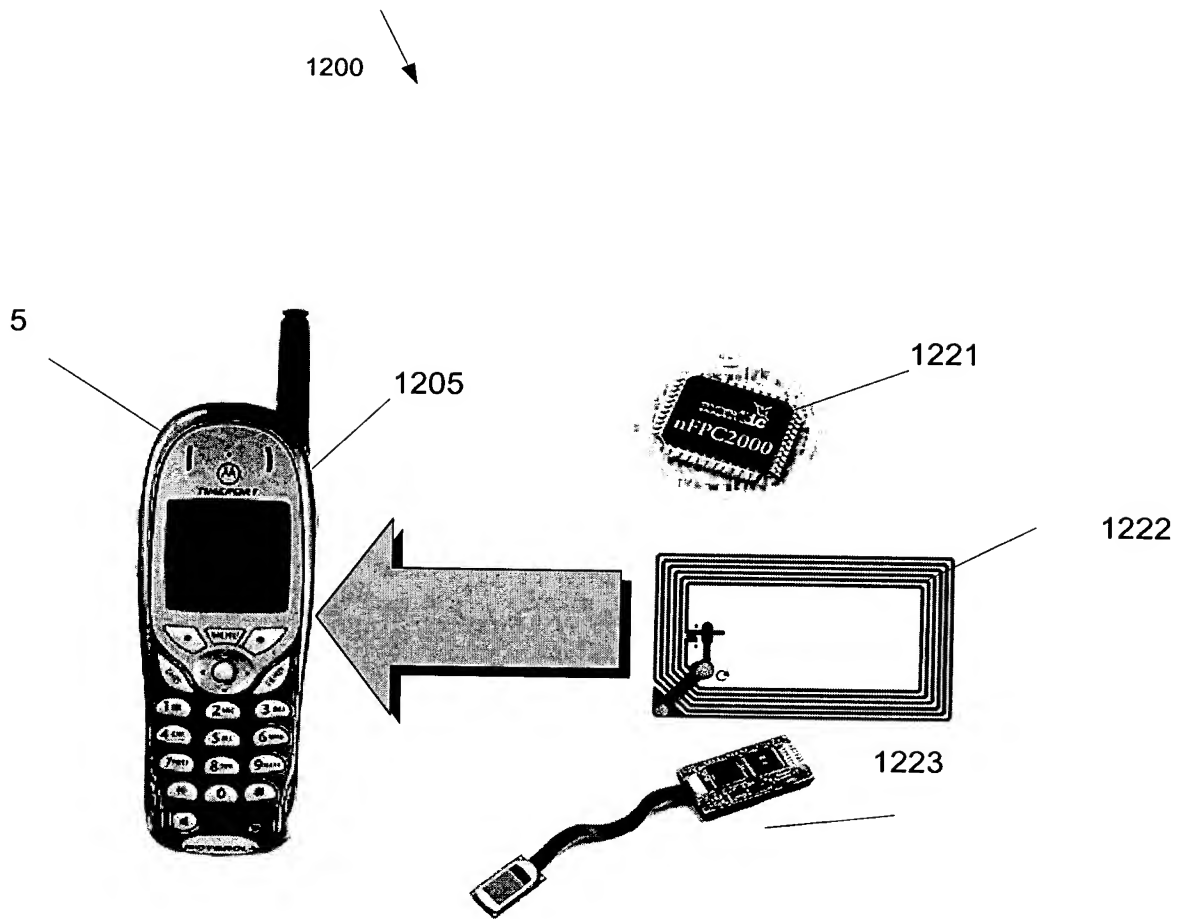


FIGURE 13

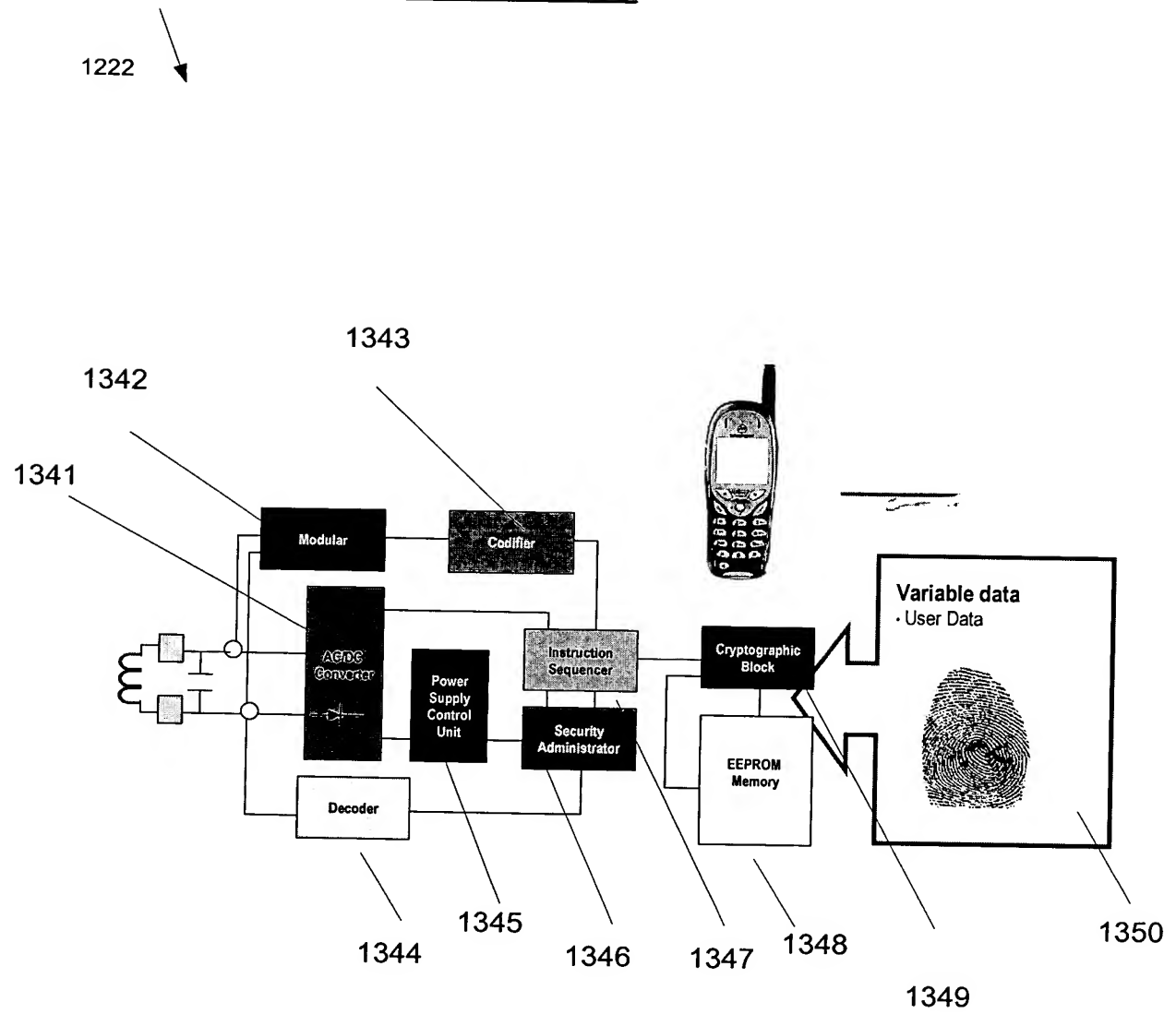


FIGURE 14

1400

1405

USER WITH RF CELL PHONE  
APPROACHES RF READER. RF  
READER IDENTIFIES USER AND  
OBTAINS RELEVANT  
TRANSACTION INFORMATION.

1410

USER PROMPTED TO ENTER  
AUTHENTICATION INFORMATION  
(FINGERPRINT).

1415

IF USER SELECTS TO COMPLETE  
TRANSACTION, USER ENTERS  
AUTHENTICATION INFORMATION.

1420

RF READER/WRITER AND RF  
CELL PHONE USED TO VERIFY  
INFORMATION (E.G.,  
FINGERPRINT).

FIGURE 15

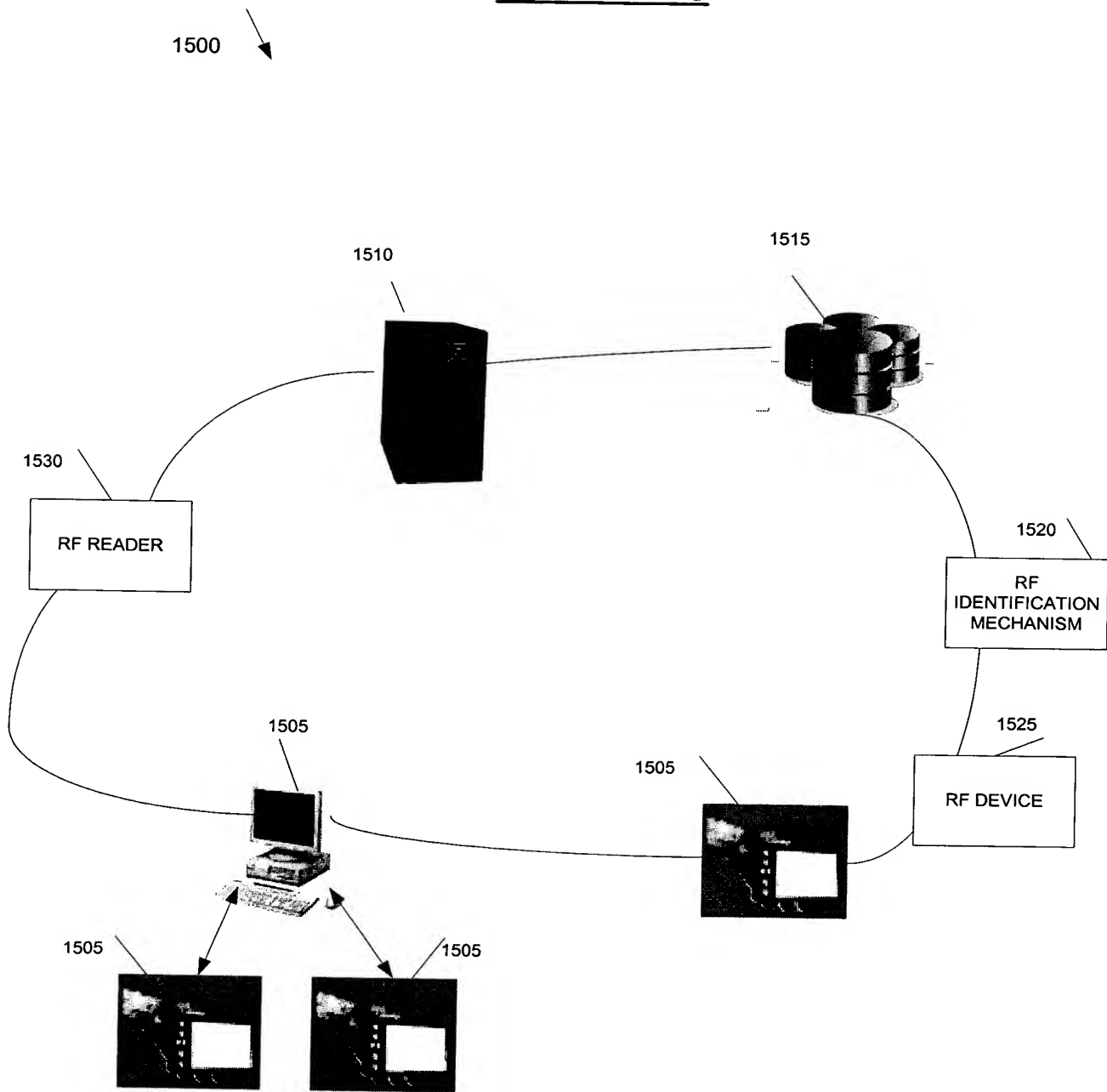
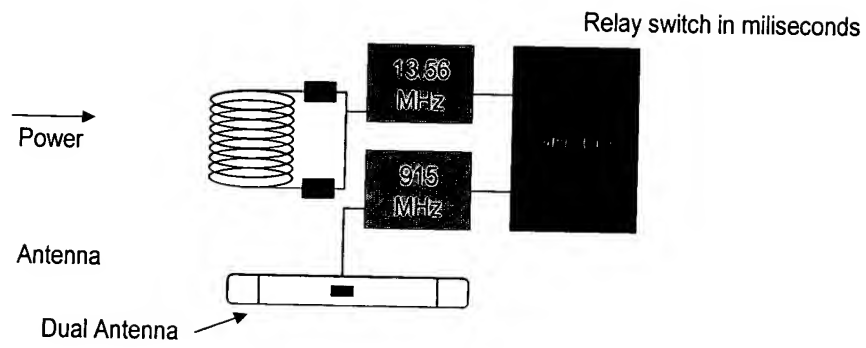




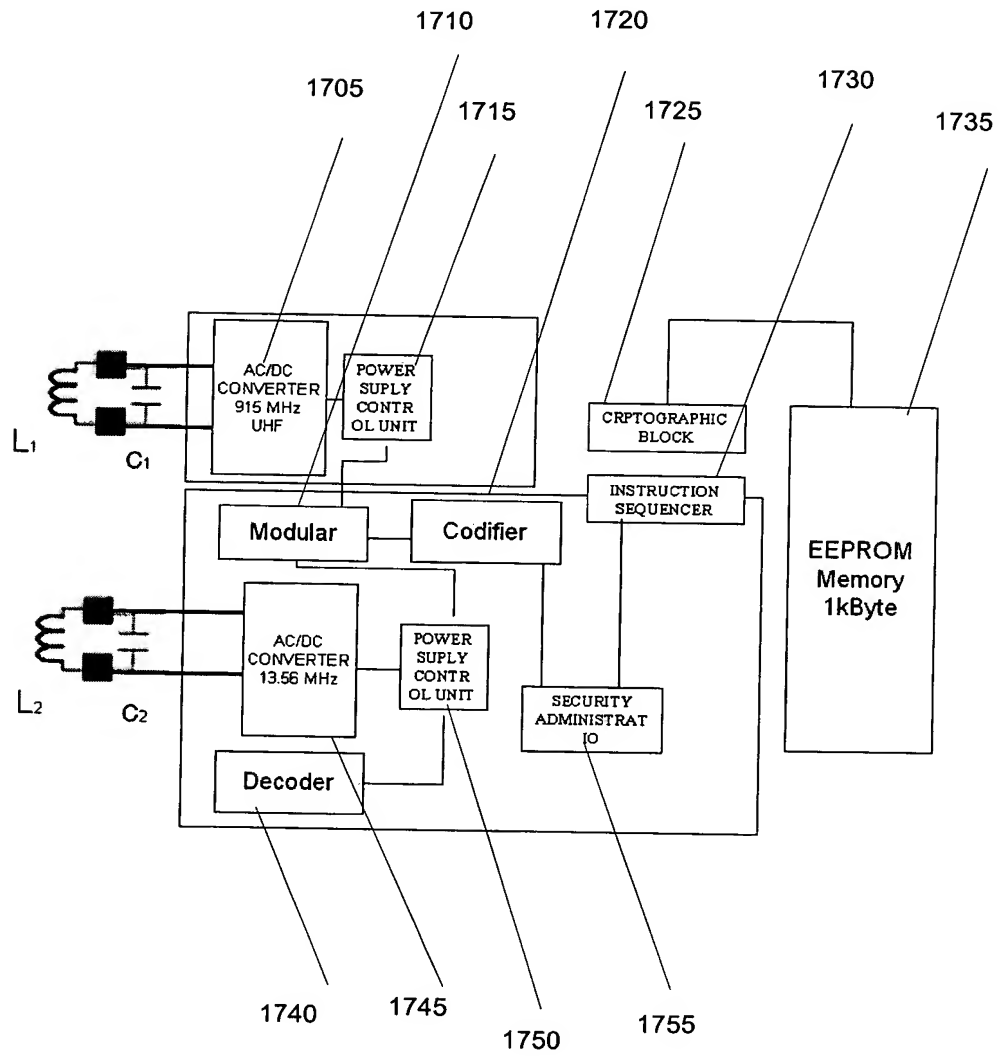
FIGURE 16

1600



**FIGURE 17**

1700



**FIGURE 18**

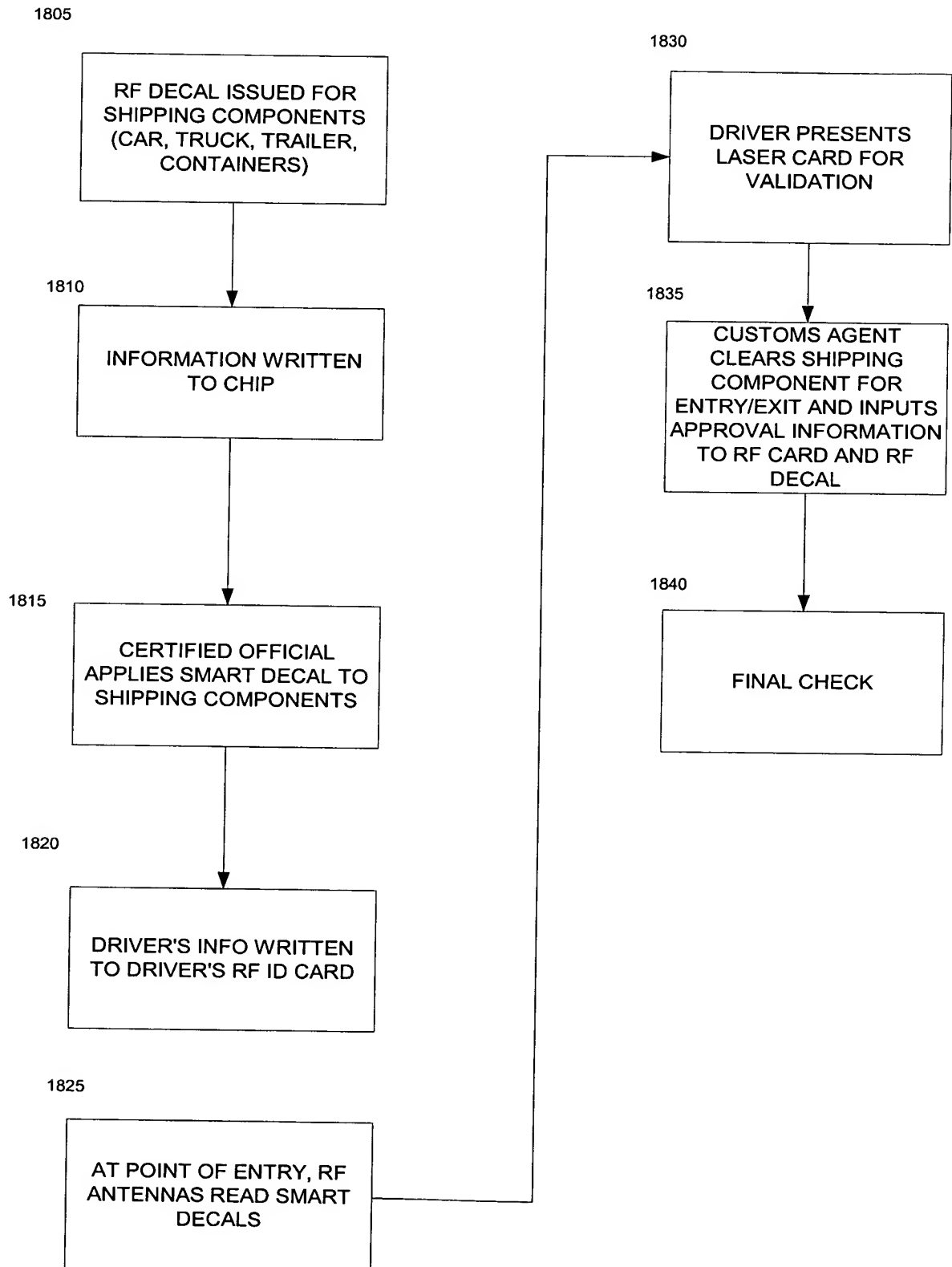


FIGURE 19

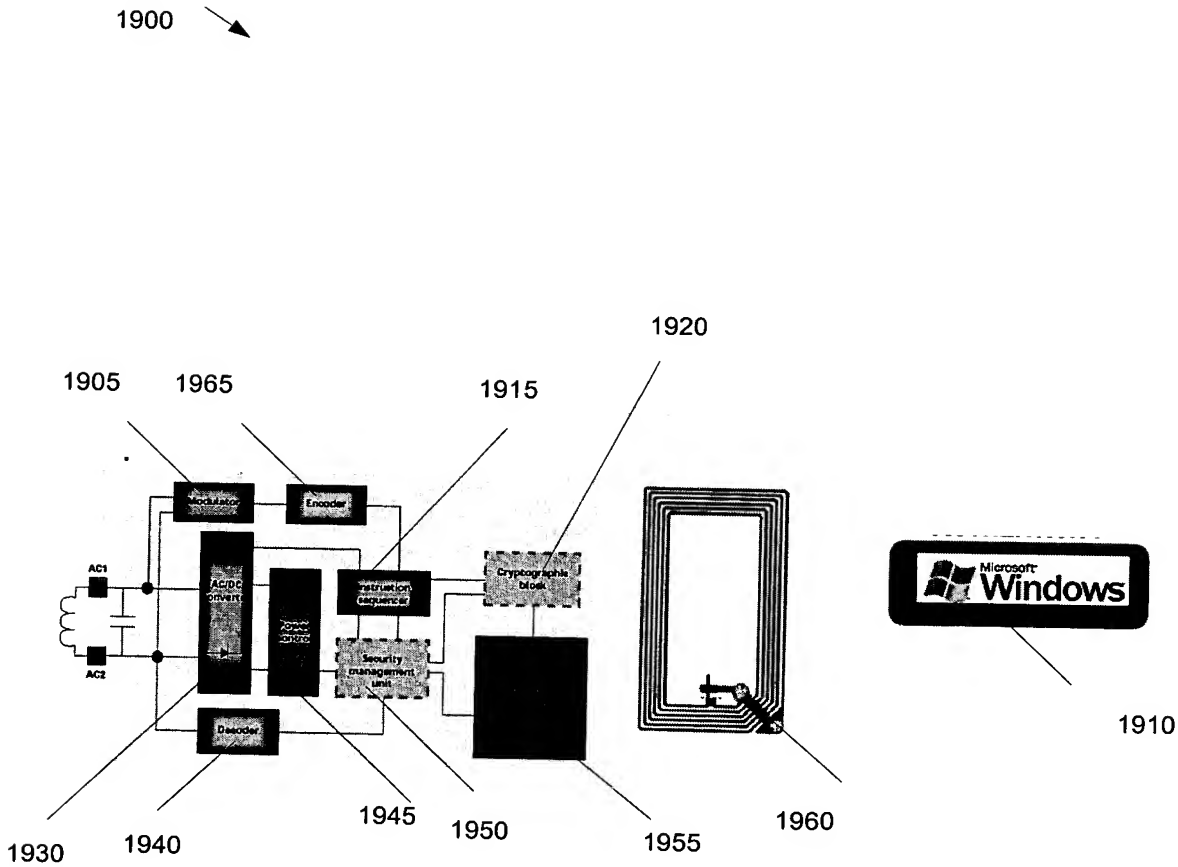
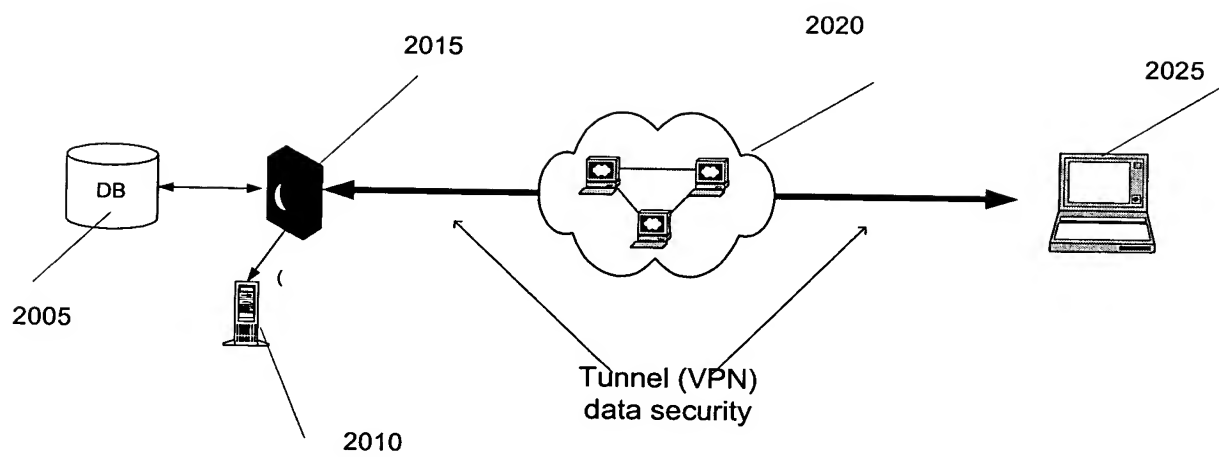


FIGURE 20



2100

## FIGURE 21

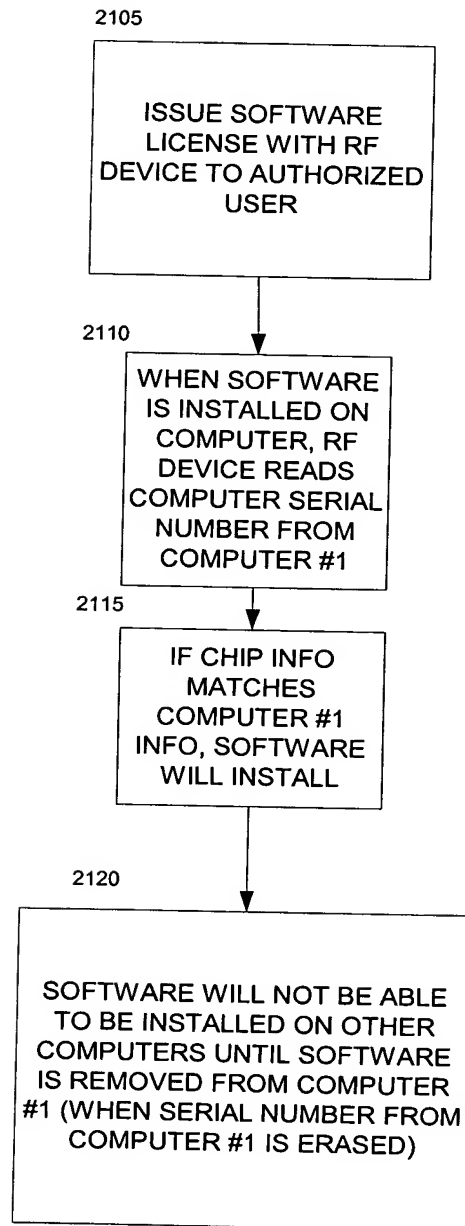


FIGURE 22

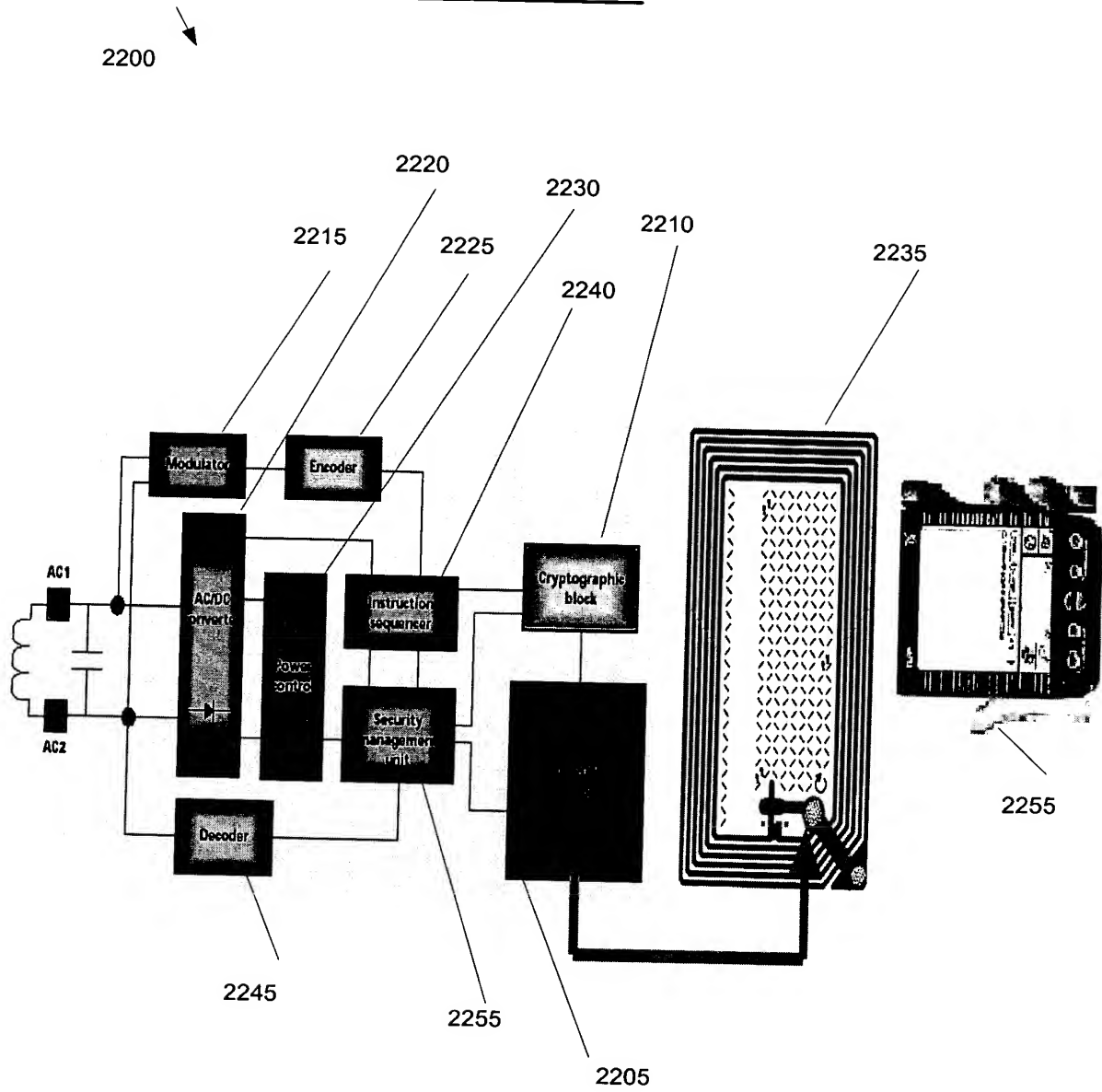


FIGURE 23

2300

